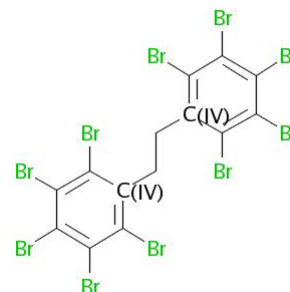


GC DPE 81

Decabromodiphenyl Ethane

Chemical Formula
Molecular Weight
CAS registry number

$C_{14}H_4Br_{10}$
971.22
84852-53-9



GC DPE 81 is a flame retardant that has particularly good thermal stability and high bromine content making it an excellent candidate for high temperature applications. **GC DPE 81** exhibits good UV resistance and hence it is suitable for use in many applications requiring color stability. Because of its particularly good thermal stability and low blooming characteristics, is used in a wide range of high-performance applications. It finds use especially in styrenic polymers, engineering resins, wire and cables and elastomers. **GC DPE 81** is offered con maximum particle size of 5 μm or 3 μm .

PHYSICAL-CHEMICAL PROPERTIES

Appearance	White powder				
Bromine Content, %	Min.81				
Relative Density	3.2				
Whiteness, %	Min.88				
Melting Point, °C	Min.345 min				
Volatiles, %	Max.0.1				
Particle size, μm	Max 3				
TGA (10 mg @ 10°C/min under N ₂)	Weight Loss	1%	5 %	10 %	50 %
	Temperature	314°C	344°C	359°C	402°C

HANDLING AND STORAGE:

The processing and use of GC DPE 81 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.
GC DPE 81 has to be stored in its tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING:

Standard packaging size of GC DPE 81 is in 25 Kg in plastic bags.

IMPORTANT NOTE:

Some plastic additives, fillers or pigments can influence significantly the flame retardant properties of the compound. Before using these products, please be informed.
Machine stop at high temperature could create degradation of polymers. Please clean with neutral polymers.

Disclaimer:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improperly use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.